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7 April 1970

MEMORANDUM FOR: Holders of COMIREX-M-92

SUBJECT : Correction to Minutes

It is requested that the attached corrected page be substituted for page 8 in copies of COMIREX-M-92 you hold. COMIREX-M-92, as corrected by the insertion of the attached page, were approved by COMIREX on 2 April 1970.

[]

Executive Secretary

Committee on Imagery Requirements and Exploitation

Attachment
Revised page 8

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NRO review(s)
completed.

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Copy 4 of 68

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GROUP 1: EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

[]

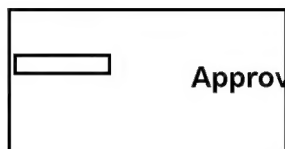
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COMIREX-M-92
19 March 1970

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separate file

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COMMITTEE ON IMAGERY REQUIREMENTS AND EXPLOITATION

Approved
Per M. 93
(Per P. 8)

COMIREX-M-92
19 March 1970

Following is an index of the Minutes of the 19 March 1970
COMIREX meeting:

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Section III (Operations)

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Section IV (Action Items)

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Page 8 Agreed Criteria for Coverage Accounting of Cuba



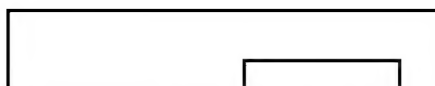
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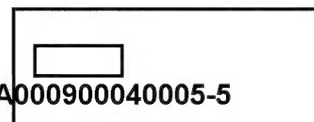
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AND DECLASSIFICATION



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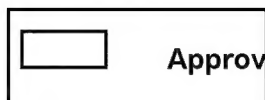
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Section V (Other Business)

Page 11 Five-Year Guidance to NRP

Section VI (Subcommittee and Working Group Reports)

Page 11 Imagery Exploitation Subcommittee

Page 11 Mapping, Charting, and Geodesy Working Group

Tabs

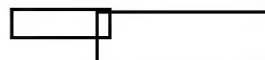
A NPIC Briefing - Mission Highlights (Mission 1109-1)

B Satellite Operations Schedule

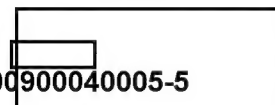
C Report on Aircraft and Drone Activities

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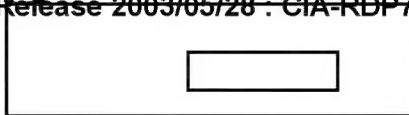
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COMIREX-M-92
19 March 1970

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COMMITTEE ON IMAGERY REQUIREMENTS AND EXPLOITATION

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COMIREX-M-92
Auditorium,
19 March 1970
1000-1215

MEMBERS AND STAFF PRESENT

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CHAIRMAN:

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CIA:
State: Mr. L. A. Moyer, Jr.
DIA:
Army: Mr. J. C. St. Cyr

Navy: Capt. L. W. Moffit
Air Force: Col. C. E. Davison
NSA:

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Office of the Chairman: Executive Secretary

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CONSULTANTS PRESENT

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NPIC: NRO:

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SUBCOMMITTEE AND WORKING GROUP REPRESENTATION

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ICRS:
EXSUBCOM:
EXRAND:

DBWG:
MCGWG:

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ALTERNATES AND OBSERVERS PRESENT

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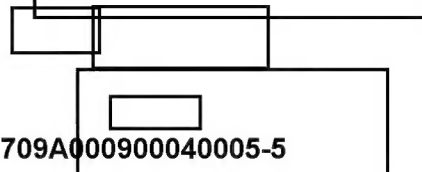
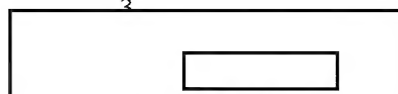
CIA:
DIA:
Navy: Cdr. H. W. Gamber
Air Force: Lt. Col. N. D. Thurman
NSA:

NPIC:

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COMIREX-M-92
19 March 1970

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BRIEFERS

Mission Highlights

Introduction

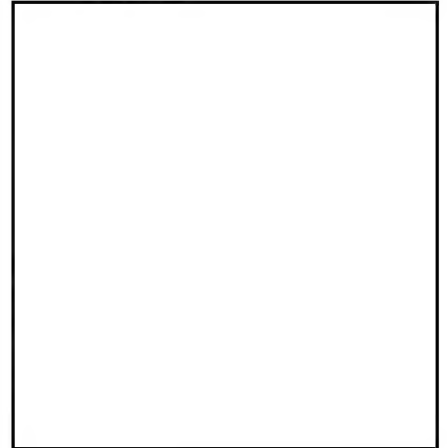
Activities in Egypt

Update on Soviet SS-9, SS-11, and SS-13
ICBM Launch Sites

ABM Facilities in the Moscow Area

Soviet Submarine Repairs at Sea

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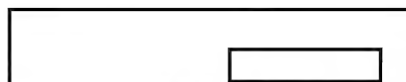


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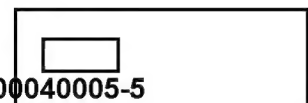
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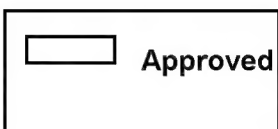


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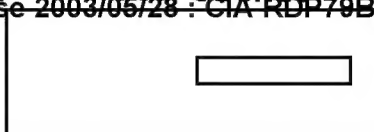
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COMIREX-M-92
19 March 1970

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Section I (Briefings)

Mission Highlights (1109-1)



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1. [Redacted] reported exploitation of the imagery from the first bucket of Mission 1109 has been under way at NPIC since Saturday, 14 March, when special exploitation effort was devoted to search for new SSM starts, significant ABM activity, new Soviet weapons systems in the Middle East, and other high-priority searches. Routine exploitation got under way on Monday. The image quality from the main cameras appears to be about average for a KH-4B mission. NPIC presented briefings on the following topics: (1) Activities in Egypt; (2) Update on Soviet SS-9, SS-11, and SS-13 ICBM Launch Sites; (3) ABM Facilities in Moscow Area; and (4) Soviet Submarine Repairs at Sea. A brief summary of the highlights presented on the first three topics is attached at Tab A.

Section II (Approval of Minutes)

COMIREX-M-89

1. COMIREX-M-89, covering the meeting of 19 February 1970, were approved with modifications suggested by the DIA and Air Force Members. Revised pages will be distributed to reflect the changes.

COMIREX-M-90

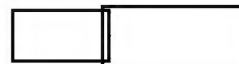
2. COMIREX-M-90, covering the special meeting held on 26 February 1970, were approved.

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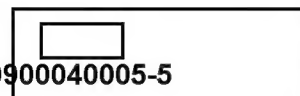
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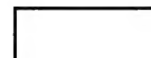
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COMIREX-M-92
19 March 1970

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COMIREX-M-91



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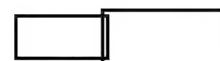
3. COMIREX-M-91, covering the meeting of 5 March 1970, were approved with modifications suggested by the Air Force Member and the NRO Consultant. Revised pages will be distributed.

General

4. The Chairman raised a question as to the utility of the briefing summaries, copies of briefing charts, etc. distributed as tabs to COMIREX Minutes. He asked that members notify his office if they do not feel that this type of material serves a useful purpose in their organizations.

Section III (Operations)

Satellite Schedule



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1. The satellite schedule as of 19 March 1970 was distributed by the NRO Representative. A copy is attached at Tab B.

2. In answer to a question from the Chairman on the outlook for Mission 1109-2, [redacted] noted that approximately 15 percent of the film remains to be expended and that recovery is expected at about 1700 on Saturday, 21 March. If the weather does not improve, it is possible that recovery will be postponed to Sunday. /Due to adverse weather conditions, recovery was actually postponed to Monday, 23 March./ With regard to coverage of missile sites, [redacted] reported that Derazhnya and Pervomaysk were programmed for recovery on 20 March since coverage of those areas on the first bucket had been cloud covered. He noted that they had not had access to Zhangiz Tobe but that Imeni Gastello

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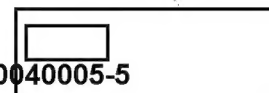


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19 March 1970

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had been covered twice, once predicted 90 percent cloud free. Uzhur had also been covered twice with predictions of 90 percent and 70 percent cloud free. [redacted] reported that clear coverage of Moscow was acquired but that west of Moscow the area was cloud-covered for the entire mission. Coverage of North Korea is about 70 percent cloud free whereas weather has been bad and will probably remain so over South China.

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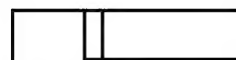
Report on Aircraft and Drone Activities

4. The Acting DIA Member reported that approval has been requested for a drone overflight of South China in April.

5. The reports presented by the Acting DIA Member, the CIA Member, and the Chairman, ICRS, on aircraft and drone activities, coverage of special targets in the Far East, and satisfaction of the Cuba 56-day requirement are recorded in Tab C.

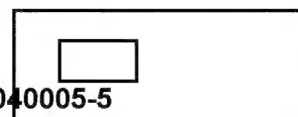
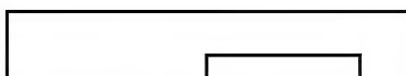
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COMIREX-M-92
19 March 1970

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Section IV (Action Items)

Cuba Requirement Revision

1. The Chairman reviewed briefly the results of a meeting held at NPIC on Monday to review CINCLANT's requirements for contingency photography of Cuba. This was an attempt to identify the degree to which they would be accommodated under the proposed revised USIB requirement which COMIREX has had under review. He noted that the new requirement calls

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following regarding agreed criteria for coverage accounting of the area.) [redacted] then referred to the redraft of COMIREX-D-24. 3/1 which had been distributed at the beginning of the meeting and asked members to take time to review it. Following review and discussion, COMIREX members approved a draft for forwarding to the United States Intelligence Board. /Subsequent to the meeting, the revised Cuba requirement was forwarded to the Executive Secretary, USIB, and distributed by him as USIB-D-46. 4/35 (COMIREX-D-24. 3/1), on 20 March 1970. /

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Agreed Criteria for Coverage Accounting of Cuba

2. The Chairman felt that it would be useful for the members to have some idea as to the nature of questions that had been raised at Monday's meeting concerning both the usability of various portions of the frame on [redacted] photography of Cuba and the criteria that might be applied in deciding whether to count or not to count photography as satisfying the expressed requirements. [redacted] explained that there are a variety of proposals as to how accounting should be handled ranging from setting some arbitrary limits on the portion of the frame that would be counted to having a

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COMIREX-M-92
19 March 1970

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5. Some concern was expressed about what impact CINCLANT requests for recoverage were likely to have on mission frequency and on the accounting for coverage under the revised requirement. It was generally agreed that since any CINCLANT requirement for recoverage would be during third-phase exploitation and therefore not time-dominated, there would be no appreciable impact. [redacted] felt that any recoverage for CINCLANT purposes could be achieved routinely in the course of normal area coverage. He noted that coverage accounting and reporting would now be by WAG cells and therefore more definitive. Use of the WAG cells will also allow preparation of more detailed and meaningful graphics in support of coverage reporting.

6. Agreement was reached that ICRS and EXSUBCOM would be tasked to draw up a statement of criteria for coverage accounting of Cuba for COMIREX approval.

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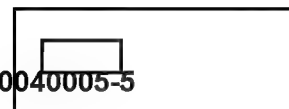
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Section V (Other Business)

Five-Year Guidance to NRP

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noted that the COMIREX guidance paper to the USIB for the National Reconnaissance Program five-year planning cycle is due on 22 May rather than in June.

said he and members of his staff have been looking at what needs to be done for this report and he plans to have a draft paper before COMIREX within a short time.

Section VI (Subcommittee and Working Group Reports)

Imagery Exploitation Subcommittee

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1. reported that EXSUBCOM will meet on 20 March to consider mission readout requirements for the Middle East.

Mapping, Charting, and Geodesy Working Group

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2. reported that the Doppler data from the first bucket of Mission 1109 looks good but there had been some problems with the Doppler beacon turning on and off over the proper areas during the second half of the mission. The Chairman, ICRS, and the NRO Representative will look into this problem to find out the cause and suggest possible remedial action for future missions.

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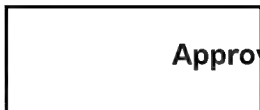
Executive Secretary
Committee on Imagery Requirements and Exploitation

Attachments
Tabs A-C

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19 March 1970
Tab A

NPIC Briefing

Mission Highlights (Mission 1109-1)

Activities in Egypt

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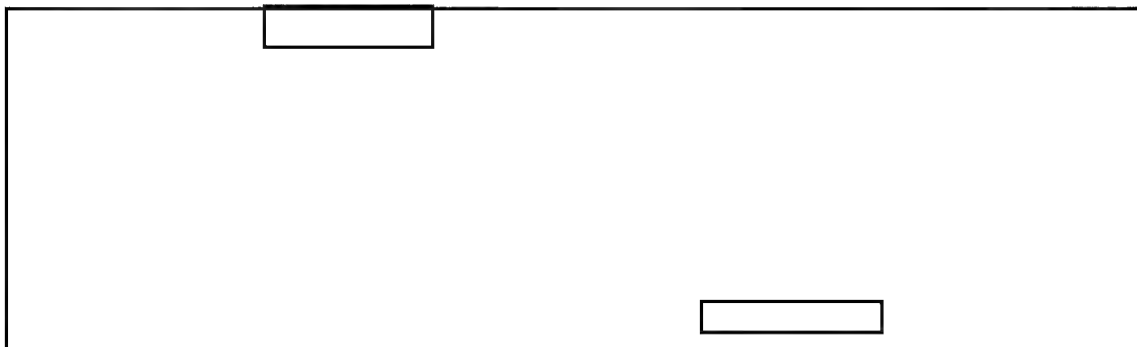
1. [redacted] reported that coverage over Egypt had been acquired on three passes of Mission 1109-1. He felt it was a fairly fruitful mission, even though the first bucket imagery could be rated as only fair in interpretability due to at least 50 percent cloud cover in the areas of main interest, dust storms, and slightly soft images. He noted that they were not able to come up with any information on missiles in the western sector of Egypt but hoped that the second bucket would provide good coverage of that area.

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2. [redacted] reported the observation of a possible SA-3 surface-to-air missile (SAM) site five n.m. southeast of Alexandria. This site was not present on 5 August photography (Mission 1107-2). Five new SA-2 SAM sites have been picked up so far on Mission 1109-1 and five areas of new construction believed to be possibly SAM-related were observed in the Dashur-Helman area. All five sites were negated on 16 December photography from Mission 1108. The early stage of construction, and the small scale of and limited interpretability of the photography, precludes identification of any equipment or determination of the type of system being installed.

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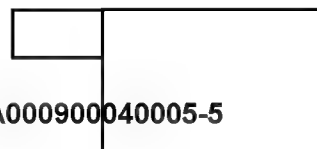
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19 March 1970
Tab A

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4. [] asked whether the Alexandria and Cairo areas were programmed for coverage on Mission 1109-2. Alexandria is scheduled for coverage tonight and Cairo on the following night.

Update on Soviet SS-9, SS-11, and SS-13 ICBM Launch Sites

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5. [] explained that snow cover had hampered exploitation of Mission 1109-1 coverage of the offensive missile complexes. He reported that 11 of the 24 known ICBM complexes were at least partially observed and that 23 new SS-11 sites and five new SS-13 sites were identified on Mission 1109-1. Of the 23 new SS-11 launch sites, 16 were at the Teykovo Complex and seven were at Kozelsk. The five SS-13 sites were at the Yoshkar Ola Complex. Three of the six SS-9 complexes--Aleysk, Dombarovskiy, and Kartaly--were covered but no new sites were identified. The beginning of new sites could not be negated, however, because of heavy snow cover. [] noted that new sites were not identified last year until May or June even though it was estimated that some of the construction was started in April. In answer to [] question as to whether it was possible to negate substantial or advanced activity as opposed to starts, [] answered that it was fairly certain that there were no new sites in middle or late stages of construction.

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6. Mission 1109-1 provided partial coverage of nine MRBM/IRBM complexes in the Western USSR. No new launch sites were identified. Aktyubinsk was observed but the Derazhnya and Pervomaysk Complexes were cloud covered.

ABM Facilities in Moscow Area

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7. [] reported that Mission 1109-1 provided the first good KH-4 coverage of the Moscow area []. There are four active ABM launch complexes in the Moscow area (E-05, E-24, E-31, and E-33) and all were observed on good, clear photography. Two to three Galosh canisters were discernible at each of the four active complexes and there were approximately 30 at the Borovsk Support Facility. This is the largest number of Galosh canisters identified to date. There was no evidence of renewed construction at Sites E-03 or E-21 which have been inactive [] is still dormant. There was no new activity at the DOG HOUSE facility but some construction activity was observed at Cheklov.

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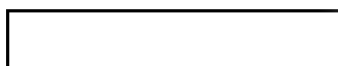
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COMIREX-M-92
19 March 1970
Tab C

Report on Aircraft and Drone Activities

FAR EAST

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(6-19 March 1970)

<u>DATE</u>	<u>MISSION NO.</u>	<u>AREAS/TARGETS</u>	<u>RESULTS</u>
7 Mar	Q603/526 (low)	Cat Bi Afld, Haiphong Port	Water Recovery
7 Mar	Q616/527 (low)	Lang Bet Stor Area, Phu Qui Stor, Bai Thuong Afld, Thanh Hoa Complx	MARS
9 Mar	Q559A/528 (low)	Bac Mai Afld, Gia Lam Afld, Yen Vien RR Yd	Lost
10 Mar	Q612/529 (low)	Kep Afld, Kep RR Yd, Phuc Yen Afld, Cam Pha Port, Hiep Hoa Afld	MARS
11 Mar	Q262/531 (high)	Area Coverage, Dien Bien Phu Afld, Na San Afld, Hwy 15, Segs O-U, Bai Thuong Afld, Hwy 1A Segs S-U	MARS
13 Mar	Q548A/532 (low)	SAM 263, Bac Mai Afld, Hanoi Port Fac, Yen Vien RR Yd	MARS
13 Mar	Q603/533 (low)	Cat Bi Afld, Haiphong Port	MARS
14 Mar	Q578/534 (low)	Kien An Afld, Haiphong RR Sta, Haiphong Port Fac	Lost
14 Mar	Q600/535 (low)	Port Wallut Nav Base, Tien Yen Complx, Cam Pha Port Ha Tou Cstl TSP, Hon Gai Port Fac, Hon Gai Nav Base	Water Recovery

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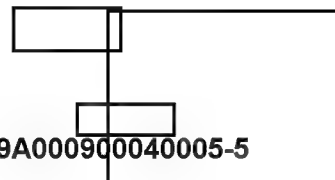
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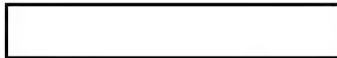
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COMIREX-M-92
19 March 1970
Tab C

25X1D



cont.

<u>DATE</u>	<u>MISSION NO.</u>	<u>AREAS/TARGETS</u>	<u>RESULTS</u>
15 Mar	Q549/536 (low)	Vinh Afld, POL Ling 1818N/ 10537E - 1700N/10700E, RR 7, Dong Hoi Afld, Dong Hoi TSP, Seg Hwy 1A	MARS
15 Mar	Q607/537 (low)	Segs Hwy 7, Quang Lang Afld, Vinh Sen Complx	MARS
17 Mar	Q588/538 (low)	Thanh Hoa Army Bks, Bai Thuong Afld, Phu Qui Stor NNW, Lang Bet Stor Area, Hai Yen Cstl TSP, Ben Thuy TSP, Vinh Cave Stor	Lost
18 Mar	Q612/540 (low)	Kep Afld, Kep RR Yd, Phuc Yen Afld, Cam Pha Port, Hiep Hoa Afld	MARS
	Successful	10	
	Lost	3	

GIANT SCALE (6-19 March 1970)

<u>DATE</u>	<u>MISSION NO.</u>	<u>AREAS/TARGETS</u>	<u>RESULTS</u>
19 Mar	GS 237	North Korea: SAM Sites, DMZ, Sub Bases, Shipyards, Ports, Army Bks, Aflds	Unknown

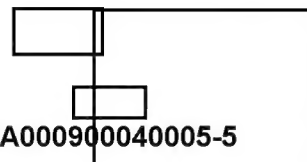
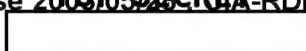
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25X1A

25X1D

6-19 March 1970)

NONE

IDEALIST/TACKLE (6-19 March 1970)

Date	Mission No.	Flight Path/Area Covered
17 Mar 70	C 040 C	Peripherally off northeast coast of China

Coverage of Special Targets in South China and North Vietnam (5-18 March 1970)

Coverage of special targets in South China and North Vietnam was reported by the Chairman, ICRS, as follows:

- a. Surveillance coverage was reported on two Lines of Communication (LOC) targets pertinent to the introduction of Chinese forces into North Vietnam (see COMOR-D-25/207 [redacted]). The number of LOC priority targets in South China and North Vietnam remains at 320. The specific targets on which coverage was reported are listed below:

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COMIREX NO.	COUNTRY	NAME	MOST RECENT COVERAGE
[redacted]	VN	BAI THUONG AIRFIELD	[redacted]
	VN	QUANG KHE TRNSP PT SONG GIANG	[redacted]

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- b. Coverage of North Vietnam to detect the possible introduction or deployment of offensive missile

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Tab C

systems (see COMOR-D-25/200, 23 May 1967, and COMIREX-D-25.3/2, 20 November 1967) is shown on the attached grid maps (pages C-5 and C-6) for the following time periods:

<u>Period</u>	<u>Missions Not Reported</u>
26 Feb - 4 Mar	1 <div></div>
5 Mar - 11 Mar	2 <div></div>

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CUBA

OLD HEAD (6-19 March 1970)

<u>DATE</u>	<u>MISSION NO.</u>	<u>RESULTS</u>
12 Mar	G116	Successful, 34.2% coverage

RECAP

<u>DATE</u>	<u>MISSION NO.</u>	<u>NET</u>	<u>CUMULATIVE</u>
12 Mar	G116	34.2%	63.1%

Status of 56-day Coverage Requirement

The status of coverage on a sliding scale for the 56-day periods shown below is as follows:

<u>PERIOD</u>	<u>AREA COVERAGE</u>	<u>TARGET COVERAGE</u>	<u>NUMBER OF MISSIONS</u>		
			<u>FLOWN</u>	<u>EXPLOITED</u>	
				<u>Area</u>	<u>Targets</u>
14 Jan - 11 Mar 70	65.4	123 of 176	3	3	3
21 Jan - 18 Mar 70	69.9	107 of 176	3	3	2
	C-4		<div></div>	<div></div>	

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